

Dott.ssa Barbara Vischioni MD, PhD

Dirigente Medico

ATTIVITÀ DI RICERCA

Tumori del distretto testa collo, cordomi, sarcomi, tumori della prostata, radiobiologia, ricerca translazionale, oncologia molecolare.

PUBBLICAZIONI

- Vitolo V, Barcellini A, Fossati P, Fiore MR, **Vischioni B**, Iannalfi A, Facoetti A, Bonora M, Ronchi S, D'Ippolito E, Petrucci R, Viselner G, Preda L, Ciocca M, Valvo F, Orecchia R. *Carbon Ion Radiotherapy in the Management of Unusual Liposarcomas: A Case Report*. In Vivo. 2019 Mar-Apr;33(2):529-533.
- Barcellini A, Vitolo V, Facoetti A, Fossati P, Preda L, Fiore MR, **Vischioni B**, Iannalfi A, Bonora M, Ronchi S, D'Ippolito E, Petrucci R, Viselner G, Ciocca M, Valvo F, Orecchia R. *Feasibility of Carbon Ion Radiotherapy in the Treatment of Gynecological Melanoma*. In Vivo. 2019 Mar-Apr;33(2):473-476.
- Molinelli S, Russo S, Magro G, Maestri D, Mairani A, Mastella E, Mirandola A, Vai A, **Vischioni B**, Valvo F, Ciocca M. *Impact of TPS calculation algorithms on dose delivered to the patient in proton therapy treatments*. Phys Med Biol. 2019 Feb 25.
- Vitolo V, Fiore MR, Barcellini A, **Vischioni B**, Iannalfi A, Facoetti A, Fossati P, Bonora M, Ronchi S, D'Ippolito E, Petrucci R, Viselner G, Ciocca M, Preda L, Valvo F, Orecchia R. *Carbon Ion Radiotherapy in the Management of the Tumors of the Peripheral Nervous System*. Anticancer Res. 2019 Feb;39(2):909-913.
- Berardinelli F, Sgura A, Facoetti A, Leone S, **Vischioni B**, Ciocca M, Antocchia A. *The G-quadruplex-stabilizing ligand RHPS4 enhances sensitivity of U251MG glioblastoma cells to clinical carbon ion beams*. FEBS J. 2018 Apr;285(7):1226-1236.
- Preda L, Stoppa D, Fiore MR, Fontana G, Camisa S, Sacchi R, Ghitti M, Viselner G, Fossati P, Valvo F, Vitolo V, Bonora M, Iannalfi A, **Vischioni B**, Vai A, Mastella E, Baroni G, Orecchia R. *MRI evaluation of sacral chordoma treated with carbon ion radiotherapy alone*. Radiother Oncol. 2018 Aug;128(2):203-208.
- Giandini T, Tenconi C, Carrara M, Ciocca M, Russo S, Panaino CMV, Cattani F, Ciardo D, Morlino S, Avuzzi B, Bedini N, Villa S, Marvaso G, Romanelli P, Hasegawa A, **Vischioni B**, Valvo F, Jerezek-Fossa BA, Orecchia R, Valdagni R, Pignoli E. *Physicists' views on hadrontherapy: a survey of members of the Italian Association of Medical Physics (AIFM)*. Tumori. 2017 Sep 18;103(5):430-437.
- Bettega D, Calzolari P, Ciocca M, Facoetti A, Lafiandra M, Marchesini R, Molinelli S, Pignoli E and **Vischioni B**. *Combining proton or photon irradiation with epothilone B. An in vitro study of cytotoxicity in human cancer cells*. Biomed. Phys. Eng. Express 3 (2017) 055009.
- Marvaso G, Jerezek-Fossa BA, **Vischioni B**, Ciardo D, Giandini T, Hasegawa A, Cattani F, Carrara M, Ciocca M, Bedini N, Villa S, Morlino S, Russo S, Zerini D, Colangione SP, Panaino CMV, Fodor C, Santoro L, Pignoli E, Valvo F, Valdagni R, De Cobelli O, Orecchia R. *Phase II multi-institutional clinical trial on a new mixed beam RT scheme of IMRT on pelvis combined with a carbon ion boost for high-risk prostate cancer patients*. Tumori. 2017 May 12;103(3):314-318.
- Marvaso G, **Vischioni B**, Jerezek-Fossa BA, Ciardo D, Fossati P, Giandini T, Morlino S, Carrara M, Romanelli P, Russi E, Valvo F, Valdagni R, Orecchia R. *Hadrontherapy from the Italian Radiation Oncologist point of view: face the reality. The Italian Society of Oncological Radiotherapy (AIRO) survey*. Radiol Med. 2016 Oct 21.

- Cobianchi L, Peloso A, **Vischioni B**, Panizza D, Fiore MR, Fossati P, Vitolo V, Iannalfi A, Ciocca M, Brugnatelli S, Dominioni T, Bugada D, Maestri M, Alessiani M, Valvo F, Orecchia R, Dionigi P. *Surgical spacer placement prior carbon ion radiotherapy (CIRT): an effective feasible strategy to improve the treatment for sacral chordoma*. World J Surg Oncol. 2016 Oct 12;14(1):262.
- Timon G, Ciardo D, Bazani A, Garioni M, Maestri D, De Lorenzo D, Pansini F, Cambria R, Rondi E, Cattani F, Marvaso G, Zerini D, **Vischioni B**, Ciocca M, Russo S, Molinelli S, Golino F, Scroffi V, Rojas DP, Fodor C, Petralia G, Santoro L, De Cobelli O, Orecchia R, Jereczek-Fossa BA. *Rationale and protocol of AIRC IG-13218, short-term radiotherapy for early prostate cancer with concomitant boost to the dominant lesion*. Tumori. 2016 Oct 13;102(5):536-540.
- Molinelli S, Magro G, Mairani A, Matsufuji N, Kanematsu N, Inaniwa T, Mirandola A, Russo S, Mastella E, Hasegawa A, Tsuji H, Yamada S, **Vischioni B**, Vitolo V, Ferrari A, Ciocca M, Kamada T, Tsujii H, Orecchia R, Fossati P. *Dose prescription in carbon ion radiotherapy: How to compare two different RBE-weighted dose calculation systems*. Radiother Oncol. 2016 Aug;120(2):307-12.
- Facchetti A, **Vischioni B**, Ciocca M, Ferrarini M, Furusawa Y, Mairani A, Matsumoto Y, Mirandola A, Molinelli S, Uzawa A, Vilches FG, Orecchia R. *In vivo radiobiological assessment of the new clinical carbon ion beams at CNAO*. Radiat Prot Dosimetry. 2015 Sep;166(1-4):379-82.
- Leonardi MC, Morra A, Santoro L, Balduzzi A, Ivaldi GB, **Vischioni B**, Ferrari A, Fodor C, Dell'Acqua V, Cardinale DM, Cipolla C, Luini A, Colleoni M, Jereczek-Fossa BA, Orecchia R. *Nonrandomized comparison between concomitant and sequential chemoradiotherapy with anthracyclines in breast cancer*. Tumori. 2015 Jan-Feb;101(1):64-71.
- Jereczek-Fossa BA, Colangione SP, Fodor C, Russo S, Cambria R, Zerini D, Bonora M, Cecconi A, **Vischioni B**, Vavassori A, Matei DV, Bottero D, Brescia A, Musi G, Mazzoleni F, Orsi F, Bonomo G, De Cobelli O, Orecchia R. *Radiotherapy in Prostate Cancer Patients With Pelvic Lymphocele After Surgery: Clinical and Dosimetric Data of 30 Patients*. Clin Genitourin Cancer. 2015 Aug;13(4):e223-8.
- Tuan J, Vitolo V, **Vischioni B**, Iannalfi A, Fiore MR, Fossati P, Orecchia R. *Radiation therapy for retroperitoneal sarcoma*. Radiol Med. 2014 Oct;119(10):790-802.
- De Cicco L, **Vischioni B**, Vavassori A, Gherardi F, Jereczek-Fossa BA, Lazzari R, Cattani F, Comi S, De Lorenzi F, Martella S, Orecchia R. *Postoperative management of keloids: low-dose-rate and high-dose-rate brachytherapy*. Brachytherapy. 2014 Sep-Oct;13(5):508-13
- Orecchia R, Vitolo V, Fiore MR, Fossati P, Iannalfi A, **Vischioni B**, Srivastava A, Tuan J, Ciocca M, Molinelli S, Mirandola A, Vilches G, Mairani A, Tagaste B, Riboldi M, Fontana G, Baroni G, Rossi S, Krengli M. *Proton beam radiotherapy: report of the first ten patients treated at the "Centro Nazionale di Adroterapia Oncologica (CNAO)" for skull base and spine tumours*. Radiol Med. 2014 Apr;119(4):277-82.
- Jereczek-Fossa BA, Rodari M, Bonora M, Fanti P, Fodor C, Pepe G, Lopci E, Zerini D, **Vischioni B**, Baroni G, Matei DV, De Cobelli O, Chiti A, Orecchia R. *[11C] Choline PET/CT impacts treatment decision making in patients with prostate cancer referred for radiotherapy*. Clin Genitourin Cancer. 2014 Jun;12(3):155-9.
- Jereczek-Fossa BA, Zerini D, Fodor C, Santoro L, Maucieri A, Gerardi MA, **Vischioni B**, Cambria R, Garibaldi C, Cattani F, Vavassori A, Matei DV, Musi G, De Cobelli O, Orecchia R. *Reporting combined outcomes with Trifecta and survival, continence, and potency (SCP) classification in 337 patients with prostate cancer treated with image-guided hypofractionated radiotherapy*. BJU Int. 2013 Oct 29.
- Srivastava A, **Vischioni B**, Fiore MR, Vitolo V, Fossati P, Iannalfi A, Tuan JK, Orecchia R. *Quality of life in patients with chordomas/chondrosarcomas during treatment with proton beam therapy*. J Radiat Res. 2013 Jul;54 Suppl 1:i43-i48.
- Tuan J, **Vischioni B**, Fossati P, Srivastava A, Vitolo V, Iannalfi A, Fiore MR, Krengli M, Mizoe JE, Orecchia R. *Initial clinical experience with scanned proton beams at the Italian National Center for Hadrontherapy (CNAO)*. J Radiat Res. 2013 Jul;54 Suppl 1:i31-i42.
- Orecchia R, Srivastava A, Fiore MR, Vitolo V, Fossati P, **Vischioni B**, Iannalfi A, Tuan J, Ciocca M, Molinelli S, Mirandola A, Vilches G, Mairani A, Tagaste B, Baroni G, Rossi S, Krengli M. *Proton beam radiotherapy: report of the first patient treated at the Centro Nazionale di Adroterapia Oncologica (CNAO)*. Tumori. 2013 Mar-Apr; 99(2):e34-7.
- Jereczek-Fossa BA, Santoro L, Zerini D, Fodor C, **Vischioni B**, Dispinziersi M, Bossi-Zanetti I, Gherardi F, Bonora M, Caputo M, Vavassori A, Cambria R, Garibaldi C, Cattani F, Matei DV, Musi G, De Cobelli O, Orecchia R. *Image-Guided Hypofractionated Radiotherapy And Quality Of Life in Localized Prostate Cancer: Prospective Longitudinal Study on 337 Patients*. J Urol. 2013 Jan 9.
- Jereczek-Fossa BA, Santoro L, Colangione SP, Morselli L, Fodor C, **Vischioni B**, Rozza D, Leppa A, Cambria R, Leonardi MC, Morra A, Baroni G, Zurrada G, Orecchia R. *Electronic portal imaging registration in breast cancer radiotherapy verification: Analysis of inter-observer agreement among different categories of health practitioners*. Neoplasma. - ISSN 0028-2685. - (2012).

- Pedicini P, Nappi A, Strigari L, Jereczek-Fossa BA, Alterio D, Cremonesi M, Botta F, **Vischioni B**, Caivano R, Fiorentino A, Improta G, Storto G, Benassi M, Orecchia R, Salvatore M. *Correlation between egfr expression and accelerated proliferation during radiotherapy of head and neck squamous cell carcinoma*. *Radiat Oncol*. 2012 Aug 24;7(1):143.
- Pedicini P, Caivano R, Jereczek-Fossa BA, Strigari L, **Vischioni B**, Alterio D, Cremonesi M, Botta F, Nappi A, Improta G, Storto G, Benassi M, Orecchia R, Vincenzo F. *Modelling the correlation between EGFr expression and tumour cell radiosensitivity, and combined treatments of radiation and monoclonal antibody EGFr inhibitors*. *Theoretical Biology and Medical Modelling*. 9: 23, 2012.
- Gottipati P, **Vischioni B**, Schutz N, Solomons J, Bryant HE, Djureunovic T, Issaeva N, Sleeth K, Sharma RA, Helleday, T. *Poly (ADP-ribose) polymerase is hyperactivated in homologous recombination-defective cells*. *Cancer Research*. 70(13): 5389-98, 2010.
- Leonardi MC, Garusi C, Santoro L, Dell'Acqua V, Rossetto F, Didier F, **Vischioni B**, De Lorenzi F, Lohsiriwat V, Petit Y, Orecchia R. *Impact of medical discipline and observer gender on cosmetic outcome evaluation in breast reconstruction using transverse rectus abdominis myocutaneous (TRAM) flap and radiotherapy*. *J Plast Reconstr Aesthet Surg*. 29: 2010.
- **Vischioni B**, Oudejans JJ, Kruyt FAE, Giaccone G, Rodriguez JA. *Immunohistochemical detection of nuclear survivin in NSCLC: a comparison of commercial antibodies*. *Histopathology*. 50: 671-675, 2007.
- **Vischioni B**, van der Valk P, Span SW, Kruyt FAE, Rodriguez JA, Giaccone G. *Expression and localization of inhibitor of apoptosis (IAP) proteins in normal human tissues*. *Hum Pathol*. 37: 78-86, 2006.
- **Vischioni B**, Oudejans JJ, Vos W, Rodriguez JA, Giaccone G. *Frequent overexpression of aurora B, a novel drug target, in Non-Small-Cell lung carcinoma*. *Molecular Cancer Therapeutics*. 5: 2905-2913, 2006.
- Ferrer M, Span SW, **Vischioni B**, Oudejans JJ, van Diest PJ, de Winter JP, Giaccone G, Kruyt FAE. *Platinum-based chemotherapy resistance in advanced lung cancer does not correlate with disruption of the Fanconi anemia pathway*. *Clin Lung Cancer*. 6: 250-4, 2005.
- **Vischioni B**, van der Valk P, Span SW, Kruyt FAE, Rodriguez JA, Giaccone G. *Prognostic implications of nuclear survivin expression in advanced NSCLC*. *Ann Oncol*. 15: 1654-1660, 2004.
- **Vischioni B**, Giaccone G, Span SW, Kruyt FAE, Rodriguez JA. *Nuclear shuhling and TRAF2-mediated retention in the cytoplasm regulate the subcellular localization of cIAP1 and cIAP2*. *Exp Cell Res*. 298: 535-48, 2004.